

SEQUENCE LISTING

<110> Ghayur, Tarig et al.

<120> ANTIBODIES THAT BIND HUMAN INTERLEUKIN-18 AND METHODS
OF MAKING AND USING

<130> BBI-149

<140>

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<150> 60/181,608

<151> 2000-02-10

<160> 71

<170> PatentIn Ver. 2.1

<210> 1

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<212> PRT

<213> Homo sapiens

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Pro	Leu	Phe	Glu	Asp	Met	Thr	Asp	Ser	Asp	Cys	Arg	Asp	Asn	Ala
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<213> Homo sapiens

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Cys	Pro	Leu	Phe	Glu	Asp	Met	Thr	Asp	Ser	Asp	Cys	Arg	Asp	Asn	Ala
1				5					10					15	

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<213> Homo sapiens

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Pro	Leu	Phe	Glu	Asp	Met	Thr	Asp	Ser	Asp	Cys	Arg
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<210> 4

<211> 157

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<400> 4

Tyr	Phe	Gly	Lys	Leu	Glu	Ser	Lys	Leu	Ser	Val	Ile	Arg	Asn	Leu	Asn
1				5					10					15	

Asp	Gln	Val	Leu	Phe	Ile	Asp	Gln	Gly	Asn	Arg	Pro	Leu	Phe	Glu	Asp
			20					25						30	

Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg Thr Ile Phe Ile
35 40 45

Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met Ala Val Thr Ile
50 55 60

Ser Val Lys Cys Glu Lys Ile Ser Thr Leu Ser Cys Glu Asn Lys Ile
65 70 75 80

Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile Lys Asp Thr Lys
85 90 95

Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly His Asp Asn Lys
100 105 110

Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys Glu
115 120 125

Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys Glu Asp Glu Leu
130 135 140

Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn Glu Asp
145 150 155

<210> 5
<211> 153
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<213> Homo sapiens

<400> 5
Ala Pro Val Arg Ser Leu Asn Cys Thr Leu Arg Asp Ser Gln Gln Lys
1 5 10 15

Ser Leu Val Met Ser Gly Pro Tyr Glu Leu Lys Ala Leu His Leu Gln
20 25 30

Gly Gln Asp Met Glu Gln Gln Val Val Phe Ser Met Ser Phe Val Gln
35 40 45

Gly Glu Glu Ser Asn Asp Lys Ile Pro Val Ala Leu Gly Leu Lys Glu
50 55 60

Lys Asn Leu Tyr Leu Ser Cys Val Leu Lys Asp Asp Lys Pro Thr Leu
65 70 75 80

Gln Leu Glu Ser Val Asp Pro Lys Asn Tyr Pro Lys Lys Lys Met Glu
85 90 95

Lys Arg Phe Val Phe Asn Lys Ile Glu Ile Asn Asn Lys Leu Glu Phe
100 105 110

Glu Ser Ala Gln Phe Pro Asn Trp Tyr Ile Ser Thr Ser Gln Ala Glu
115 120 125

Asn Met Pro Val Phe Leu Gly Gly Thr Lys Gly Gly Gln Asp Ile Thr
130 135 140

Asp Phe Thr Met Gln Phe Val Ser Ser
145 150

T066039" 55446.60

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<400> 6
Ser Ser Lys Met Gln Ala Phe Arg Ile Trp Asp Val Asn Gln Lys Thr
  1          5          10          15
Phe Tyr Leu Arg Asn Asn Gln Leu Val Ala Gly Tyr Leu Gln Gly Pro
          20          25          30
Asn Val Asn Leu Glu Glu Lys Ile Asp Val Val Pro Ile Glu Pro His
          35          40          45
Ala Leu Phe Leu Gly Ile His Gly Gly Lys Met Cys Leu Ser Cys Val
          50          55          60
Lys Ser Gly Asp Glu Thr Arg Leu Gln Leu Glu Ala Val Asn Ile Thr
  65          70          75          80
Asp Leu Ser Glu Asn Arg Lys Gln Asp Lys Arg Phe Ala Phe Ile Arg
          85          90          95
Ser Asp Ser Gly Pro Thr Thr Ser Phe Glu Ser Ala Ala Cys Pro Gly
          100          105          110
Trp Phe Leu Cys Thr Ala Met Glu Ala Asp Gln Pro Val Ser Leu Thr
          115          120          125
Asn Met Pro Asp Glu Gly Val Met Val Thr Lys Phe Tyr Phe Gln Glu
          130          135          140
Asp
145

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<400> 7
Cys Thr Ser Arg Pro His Ile Thr Val Val Glu Gly Glu Pro Phe Tyr
  1             5             10             15

Leu Lys His Cys Ser Cys Ser Leu Ala His Glu Ile Glu Thr Thr Thr
      20             25             30

Lys Ser Trp Tyr Lys Ser Ser Gly Ser Gln Glu His Val Glu Leu Asn
      35             40             45

Pro Arg Ser Ser Ser Arg Ile Ala Leu His Asp Cys Val Leu Glu Phe
      50             55             60

Trp Pro Val Glu Leu Asn Asp Thr Gly Ser Tyr Phe Phe Gln Met Lys
      65             70             75             80

Asn Tyr Thr Gln Lys Trp Lys Leu Asn Val Ile Arg Arg Asn Lys His

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<400> 8
Cys Lys Glu Arg Glu Glu Lys Ile Ile Leu Val Ser Ser Ala Asn Glu
  1             5             10             15
Ile Asp Val Arg Pro Cys Pro Leu Asn Pro Asn Glu His Lys Gly Thr
          20             25             30
Ile Thr Trp Tyr Lys Asp Asp Ser Lys Thr Pro Val Ser Thr Glu Gln
          35             40             45
Ala Ser Arg Ile His Gln His Lys Glu Lys Leu Trp Phe Val Pro Ala
  50             55             60
Lys Val Glu Asp Ser Gly His Tyr Tyr Cys Val Val Arg Asn Ser Ser

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65		70		75		80
Tyr Cys Leu Arg Ile Lys Ile Ser Ala Lys Phe Val Glu Asn Glu Pro						
		85		90		95
Asn Leu Cys Tyr Asn Ala Gln Ala Ile Phe Lys Gln Lys Leu Pro Val						
		100		105		110
Ala Gly Asp Gly Gly Leu Val Cys Pro Tyr Met Glu Phe Phe Lys Asn						
		115		120		125
Glu Asn Asn Glu Leu Pro Lys Leu Gln Trp Tyr Lys Asp Cys Lys Pro						
		130		135		140
Leu Leu Leu Asp Asn Ile His Phe Ser Gly Val Lys Asp Arg Leu Ile						
		145		150		155
Val Met Asn Val Ala Glu Lys His Arg Gly Asn Tyr Thr Cys His Ala						
		165		170		175
Ser Tyr Thr Tyr Leu Gly Lys Gln Tyr Pro Ile Thr Arg Val Ile Glu						
		180		185		190
Phe Ile Thr Leu Glu Glu Asn Lys Pro Thr Arg Pro Val Ile Val Ser						
		195		200		205
Pro Ala Asn Glu Thr Met Glu Val Asp Leu Gly Ser Gln Ile Gln Leu						
		210		215		220
Ile Cys Asn Val Thr Gly Gln Leu Ser Asp Ile Ala Tyr Trp Lys Trp						
		225		230		235
Asn Gly Ser Val Ile Asp Glu Asp Asp Pro Val Leu Gly Glu Asp Tyr						
		245		250		255
Tyr Ser Val Glu Asn Pro Ala Asn Lys Arg Arg Ser Thr Leu Ile Thr						
		260		265		270
Val Leu Asn Ile Ser Glu Ile Glu Ser Arg Phe Tyr Lys His Pro Phe						
		275		280		285
Thr Cys Phe Ala Lys Asn Thr His Gly Ile Asp Ala Ala Tyr Ile Gln						
		290		295		300
Leu Ile Tyr Pro Val Thr						
		305		310		

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<400> 9
 Thr Gly Tyr Tyr Ile His
 1 5

<210> 10
 <211> 17
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Trp699" 66000/60

<213> Homo sapiens

<400> 10

Gly	Arg	Leu	Asn	Pro	Thr	Thr	Gly	Asp	Ala	Asn	Phe	Ala	Glu	Lys	Phe
1				5					10					15	

Gln

<210> 11

<211> 4

<212> PRT

<213> Homo sapiens

<400> 11

Lys	Glu	Gly	Ala
1			

<210> 12

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<213> Homo sapiens

<400> 12

Gln	Gly	Asp	Ser	Leu	Arg	His	Phe	Tyr	Pro	Asn
1				5					10	

<210> 13

<211> 7

<212> PRT

<213> Homo sapiens

<400> 13

Gly	Lys	Asn	Asn	Arg	Pro	Ser
1				5		

<210> 14

<211> 11

<212> PRT

<213> Homo sapiens

<400> 14

Gly	Ser	Arg	Asp	Ser	Ser	Gly	Ile	His	Val	Val
1				5					10	

<210> 15

<211> 11

<212> PRT

<213> Homo sapiens

<400> 15

Gln	Gly	Asp	Ser	Leu	Arg	His	Phe	Tyr	Ser	Asn
1				5					10	

<210> 16

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<210> 19
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<400> 19

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
1 5 10 15

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg His Phe Tyr Pro
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
35 40 45

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Asn Thr Gly Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gly Ser Arg Asp Ser Ser Gly Ile His
85 90 95

Val Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
100 105

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<400> 20

Ser Tyr Ala Met
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<210> 21

<211> 17

<212> PRT

<213> Homo sapiens

<400> 21

Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 22

<211> 9

<212> PRT

<213> Homo sapiens

<400> 22

Asp Asp Asp Asp Tyr Asp Phe Asp Tyr
1 5

<210> 23

<211> 13

<212> PRT

<213> Homo sapiens

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<400> 23
Ser Gly Ser Ser Ser Asn Ile Gly Ile Asn Ala Val Asn
1 5 10

<210> 24
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<400> 24
Gly Asn Asp Gln Arg Pro
1 5

<210> 25
<211> 11
<212> PRT
<213> Homo sapiens

<400> 25
Ala Ala Trp Asp Asp Ser Leu Ser Gly Pro Val
1 5 10

<210> 26
<211> 17
<212> PRT
<213> Homo sapiens

<400> 26
Ala Ile Ser Gly Ser Gln Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 27
<211> 17
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<400> 27
Ala Ile Ser Gly Ser Gly Gly Ser Thr Trp Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 28
<211> 108
<212> PRT
<213> Homo sapiens

<400> 28
Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
1 5 10 15

Phe Thr Phe Ser Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly

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<210> 29
<211> 111
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Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
  1             5             10             15

Phe Thr Phe Ser Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly
          20             25             30

Lys Gly Leu Glu Trp Val Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
      35             40             45

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<210> 33
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<213> Homo sapiens
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<210> 38
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<212> PRT
<213> Homo sapiens
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<210> 39
<211> 14
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<400> 45

<400> 51
Phe Phe Gln Arg Ser Val Pro Gly His Asp Asn Lys Met Gln
1 5 10

<210> 52
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<400> 52
Val Pro Gly His Asp Asn Lys Met Gln Phe Glu Ser Ser Ser
1 5 10

<210> 53
<211> 14
<212> PRT
<213> Homo sapiens

<400> 54
Asn Lys Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe
1 5 10

<210> 54
<211> 14
<212> PRT
<213> Homo sapiens

<400> 54
Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys Glu Lys
1 5 10

<210> 55
<211> 14
<212> PRT
<213> Homo sapiens

<400> 55
Glu Gly Tyr Phe Leu Ala Cys Glu Lys Glu Arg Asp Leu Phe
1 5 10

<210> 56
<211> 14
<212> PRT
<213> Homo sapiens

<400> 56
Ala Cys Glu Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys
1 5 10

<210> 57
<211> 14
<212> PRT
<213> Homo sapiens

<400> 57
Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys Glu Asp Glu Leu
1 5 10

097800331 0309004
T06020 "0309004"

Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys Glu
115 120 125

Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys Glu Asp Glu Leu
130 135 140

Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn Glu Asp
145 150 155

<210> 62
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<220>
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cag gtc cag ctg gtg cag tct ggg gct gag gtg aag aag cct ggg gcc 48
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15
tcg atg aaa gtc tcc tgt aag act tct gga tac acc ttc acc ggc tat 96
Ser Met Lys Val Ser Cys Lys Thr Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30
tat atc cac tgg gtg cga cag gcc cct gga cag gga ttc gag tgg ata 144
Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Phe Glu Trp Ile
35 40 45
gga cgg ctc aac ccc acc act ggt gac gca aat ttt gca gaa aag ttt 192
Gly Arg Leu Asn Pro Thr Thr Gly Asp Ala Asn Phe Ala Glu Lys Phe
50 55 60
cag ggc agg gtc gcc ctg acc aga gac acg tcc atc agc aca gcc tat 240
Gln Gly Arg Val Ala Leu Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80
tta caa cta gac agc ctc aaa tct gac gac acg gcc gta tat tat tgt 288
Leu Gln Leu Asp Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95
gcg gga aaa gag ggt gcc tgg ggc cag ggc acc ctg gtc acc gtc tcg 336
Ala Gly Lys Glu Gly Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
100 105 110
agt gg 341
Ser

<210> 63
<211> 113
<212> PRT
<213> Homo sapiens

<400> 63
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15
Ser Met Lys Val Ser Cys Lys Thr Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

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<210> 64
<211> 327
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<400> 65

<210> 66

<212> DNA

<213> Home

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<221> CDS

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<400> 66

gag	gtg	cag	ctg	ttg	gag	tct	ggg	gga	ggc	ttg	gta	cag	cct	ggg	ggg	48
Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly	
1				5					10					15		
tcc	ctg	aga	ctc	tcc	tgt	gca	gcc	tct	gga	ttc	acc	ttt	agc	agc	tat	96
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr	
			20					25					30			
gcc	atg	agc	tgg	gtc	cgc	cag	gct	cca	ggg	aag	ggg	ctg	gag	tgg	gtc	144
Ala	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val	
		35					40					45				
tca	gct	att	agt	ggc	agt	ggc	ggc	agc	aca	tac	tac	gca	gac	tcc	gtg	192
Ser	Ala	Ile	Ser	Gly	Ser	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser	Val	
	50					55					60					
aag	ggc	cgg	ttc	acc	atc	tcc	aga	gac	aat	tcc	aag	aac	acg	ctg	tat	240
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr	
65					70					75					80	
ctg	caa	atg	aac	agc	ctg	aga	gcc	gag	gac	acg	gcc	gtg	tat	tac	tgt	288
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	
				85					90					95		
gcg	aga	gat	gac	gat	gac	tac	gac	ttt	gac	tac	tgg	ggc	cgg	ggg	aca	336
Ala	Arg	Asp	Asp	Asp	Asp	Tyr	Asp	Phe	Asp	Tyr	Trp	Gly	Arg	Gly	Thr	

100 105 110 354

atg gtc acc gtc tcg agt
Met Val Thr Val Ser Ser
115

<210> 67
<211> 118
<212> PRT
<213> Homo sapiens

<400> 67
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30
Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg Asp Asp Asp Asp Tyr Asp Phe Asp Tyr Trp Gly Arg Gly Thr
100 105 110
Met Val Thr Val Ser Ser
115

<210> 68
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<220>
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<222> (1)..(333)

<400> 68
cag tct gtg ttg acg cag ccg ccc tca gcg tct ggg gcc ccc ggt cag 48
Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Ala Pro Gly Gln
1 5 10 15
agg gtc acc atc tct tgt tct gga agc agc tcc aac atc gga att aat 96
Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ile Asn
20 25 30
gct gta aac tgg tac cag cag ctc cca gga acg gcc ccc aaa ctc ctc 144
Ala Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45
atc tat ggt aat gat cag cgg ccc tca ggg gtc cct gac cga ttc tct 192
Ile Tyr Gly Asn Asp Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser

Trp6923" 6500269

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<210> 69
<211> 111
<212> PRT
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<210> 70
<211> 66
<212> PRT
<213> Homo sapiens
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<400> 70
Tyr Phe Gly Lys Leu Glu Ser Lys Leu Ser Val Ile Arg Asn Leu Asn
1 5 10 15
Asp Gln Val Leu Phe Ile Asp Gln Gly Asn Arg Pro Leu Phe Glu Asp
20 25 30
Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg Thr Ile Phe Ile
35 40 45
Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met Ala Val Thr Ile
50 55 60

Ser Val
65

<210> 71
<211> 34
<212> PRT
<213> Homo sapiens

<400> 71
Phe Leu Ala Cys Glu Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys
1 5 10 15

Lys Glu Asp Glu Leu Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn
20 25 30

Glu Asp

106030"SEMB"69